



LEWIS RIDGE

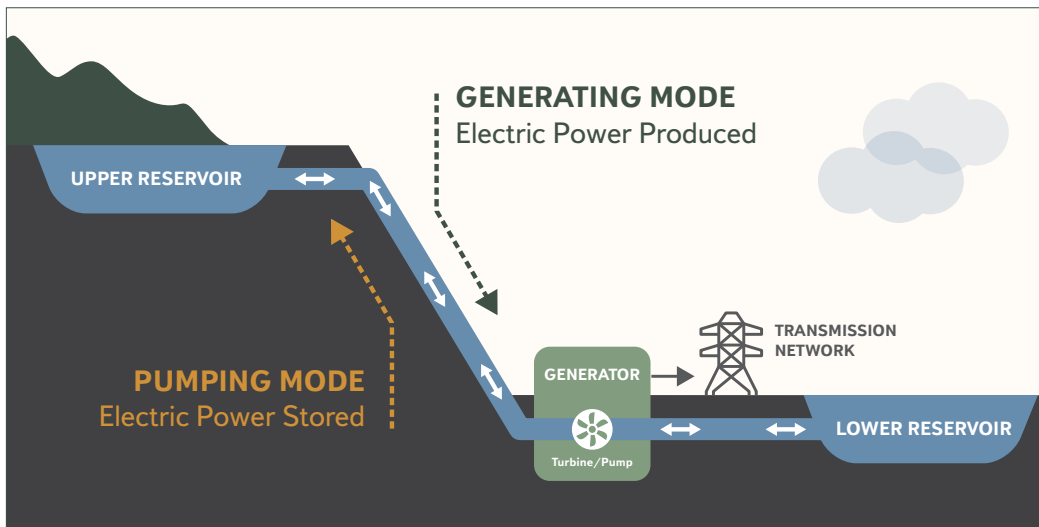
Pumped Storage Project

A Bright Energy Future for Southeastern Kentucky

The Lewis Ridge Pumped Storage Project builds upon the region's energy-producing legacy and skilled workforce to develop critical infrastructure that will power the nation for generations.

Located in Bell County on former mine lands, the **\$1.3 billion** pumped storage project is not only a significant investment in Kentucky; it's an investment in strengthening our national electrical grid. Lewis Ridge was awarded an \$81 million grant from DOE's Clean Energy Demonstration Program.

What is pumped storage hydro?



Pumped storage is the world's largest, most proven form of energy storage, representing **more than 90%** of all utility-scale storage in the U.S.

Pumped storage acts like a battery, moving water between two reservoirs at different elevations. During periods of low electricity demand, excess energy is used to pump water from the lower reservoir to the upper reservoir. When electricity demand is high, the stored water is released, passing through turbines to generate electricity.



PROJECT AT A GLANCE

Mine lands to energy storage

\$1.3 billion investment

Creates 1,500 construction jobs

Powers 67,000 homes

Offers 8 hours of energy storage

Benefits of pumped storage?



Proven

40+ pumped storage projects operating in the U.S.



Long-Lasting

Facilities run for 100+ years



Affordable

Costs 20-30% less than installed lithium-ion batteries*



Dependable

Operates even during extreme weather



Certainty

Operates 24-7, maintaining affordable energy prices

*Source: Electric Power Research Institute

Who is developing the project?

Rye Development is leading a new generation of pumped storage hydropower in the U.S. and helping create a more reliable energy grid. Rye works in partnership with utilities, policymakers, community leaders and other stakeholders to drive economic development and positively impact underrepresented and disadvantaged communities. Learn more:

www.RyeDevelopment.com

Project location Bell County, Kentucky

Timeline

- **March 2022**
FERC issued preliminary permit
- **October 2022**
Rye filed a pre-application document (PAD) and Notice of Intent to file an application with FERC
- **September 2024**
Rye filed the Draft License Application to FERC
- **Q2 2025**
Rye plans to submit the Final License Application to FERC
- **Q2 2027**
FERC license issuance anticipated
- **2024 - 2027**
Design phase
- **2027 - 2031**
Construction phase
- ★ **2031**
Project operational

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For more information and to sign up for the project newsletter, please visit:

www.LewisRidgeProject.com

